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Do Not Write in this Area

## Grants to Teachers Application Form

*Please use a typewriter or word processor to complete the application.  
Submit in the format listed below.*

Date: March 17, 2017

Grant Title: Smart Pencil = Smart Students

School: Ethel Reed Elementary

Grade Level(s): Kindergarten

Content Area: Reading, Language Arts, and Math

Total Dollar Amount Requested: \$1,711.84

### **1. What is the major educational need this grant addresses? Please give grade level and academic area.**

This grant will fund Smart Pencil software purchases for each kindergarten classroom. The interactive software comes in a "pencil" formed software cartridge with voice guided activities that walk each student through easy to follow cues. It gives positive reinforcement, gentle encouragement, and instant feedback. This software allows the student to work independently, or with a peer on the given task. Each set of learning activities focus on a specific skill, and come in brightly colored themes and cards. The cheerful pictures and illustrations will help hold the students attention through each directed lesson.

This grant would provide all 4 kindergarten classrooms with one complete set of Language cards, one complete set of Math cards, and 4 Smart Pencils. The interactive Language set includes an alphabet card set, phonemic awareness cards, word work cards, vocabulary cards, phonics cards, and sight word cards. The interactive Math set includes shapes and patterning card sets, measurement cards, simple operations cards, and numbers and counting cards. The Smart Pencil's are interchangeable with each subject since each card set has its own software cartridge.

**2. Approximately how many pupils will be affected by this project, both directly and indirectly?**

This grant would benefit the foundational development of hundreds of students at Ethel Reed Elementary. Not only would this grant help provide hands on learning for our kindergarteners, it would help to develop their basic understanding of math operations and reading readiness. With this grant providing materials for all kindergarten classrooms, no student will be without this technology. We average 100 kindergarten students each year. The benefit of Lakeshore materials is their durability in public school classrooms. This ensures many years of use, reaching students directly for many years to come.

**3. Describe your grant including methods, materials and objectives. Foundation grants are intended to fund a creative teaching plan, so if equipment or materials are requested it should be clearly stated as to why these are an integral part of the plan.**

The Smart Pencil technology would be used in a regular classroom setting. The possibilities of use are endless. This tool could be used during center time, during small group lessons, or even given to an individual student struggling in that given area. A wonderful plus to this tool, is that it can be used in any order, at any time of the year. The introduction of materials and instruction falls during the year in the following order, but may be subject to change with the dynamics of each group of students:

Math - shapes and patterning, numbers and counting, measurement, time and money, and simple operations.

Reading/Language - phonemic awareness, alphabet, phonics, word work, vocabulary, and sight words.

Some of the objectives taught using this technology are listed as follows:

1. Students will isolate and pronounce the same initial sounds in a set of spoken words.
2. Students will recognize and produce pairs of rhyming words, and distinguish them from non-rhyming pairs.
3. Students will recognize that print moves from top to bottom, left to right, and front to back.
4. Students will identify all uppercase and lowercase letters.
5. Students will produce the primary or most common sound for each consonant, short and long vowel sound.
5. Students will blend letter sounds to decode simple Vowel / Consonant (VC) and Consonant / Vowel / Consonant (CVC) words.
6. Students will read common high frequency grade-level words by sight (e.g., not, was, to, have, you, he, is, with, are).
7. Students will acquire new academic, content-specific, grade-level vocabulary and relate new words to prior knowledge with guidance and support.
8. Students will explore how ideas and topics are depicted in a variety of media and formats.
9. Count aloud forward in sequence by 1s to 20.
10. Recognize and name written numerals 0-10.
11. Use one-to-one correspondence in counting objects and matching groups of objects.
12. Recognize, duplicate, and extend repeating patterns involving manipulatives, sound, movement, and other contexts.
13. Identify circles, squares, rectangles, and triangles by pointing to the shape when given the name.

14. Identify measurable attributes of objects. Describe them as little, big, long, short, tall, heavy, light, or other age appropriate vocabulary.
15. Identify pennies, nickels, dimes, and quarters by name.
16. Compose and decompose numbers up to 10 with objects and pictures.

**4. Give a time schedule of implementation.**

When this grant is funded, we will place an order for the software as soon as possible. Once the materials are in, we will be able to use them immediately. The great thing about this set is there are no updates, or set up required to put them to use. They will be operational as soon as they are out of their packaging.

**5. Detail your budget request. Include specific information about kinds of materials and equipment needed, sources of supply, and costs (including shipping and handling). If possible, list alternatives if full funding is not available.**

Our budget request is \$1,711.84. This amount provides software set ups for Math materials, Language/Reading materials, and 4 Smart Pencils for each of the 4 kindergarten classrooms. The Math materials complete set include shapes and patterning, measurement, simple operations, time and money, and numbers and counting. The Language/Reading materials complete set includes alphabet cards, phonemic awareness, word work, vocabulary, phonics, and sight words.

Pricing is broke down into these specific areas:

|  |          |      |            |
|--|----------|------|------------|
| Lakeshore Smart Pencil Lang. Interactive Learning Cards Complete Set | \$169.00 | (4)  | \$676.00   |
| Lakeshore Smart Pencil Math Interactive Learning Cards Complete Set  | 139.00   | (4)  | 556.00     |
| Lakeshore Smart Pencil (4 in each of the 4 classes)                  | 29.99    | (16) | 479.84     |
| Shipping is FREE   |          |      | 0.00       |
| TOTAL  |          |      | \$1,711.84 |

**6. What methods will be used for measuring the stated objectives, or what definite evaluation will you make to determine whether the grant was successful? (Please be specific)**

Our students will be assessed formally and informally throughout each lesson. Students will provide written forms of responses to pencil paper evaluations and seat work showing understanding of the introduced concept. Teachers will also give verbal question/answer evaluations one-on-one or in small groups. Students are also formally evaluated every 4 weeks by the teacher, and in the computer lab.